



**WYDZIAŁ
EKONOMICZNO-
SOCJOLOGICZNY**
Uniwersytet Łódzki



CURRICULUM FOR ECONOMICS

second-cycle studies
general academic profile
in force from the academic year 2022/2023

*Accredited studies IACBE
International Accreditation Council for Business Education*

Plan of studies confirmed by Council of Faculty of Economics and Sociology on 25.04.2022 r.

1. The name of the course

Economics

2. A concise description of the course

Second-cycle studies in Economics at the University of Lodz fit into the field of social sciences, in the discipline of economics and finance. The didactic supervision over the course is provided directly by the Institute of Economics of the Faculty of Economics and Sociology, University of Lodz. The knowledge, skills and social competences of a graduate in Economics meet the requirements specified in the Polish Qualifications Framework for higher education.

The curriculum for the Economics course (lasting 4 semesters) consists of subjects: general economics, major and optional subjects. It contains modules of both economic subjects and related subjects, important from the point of view of understanding the modern economy. Students gain in-depth knowledge of the theory of economics, the practice of economic life and analytical methods used in research on the economy. Thanks to a large number of interactive classes, graduates are able to develop their practical skills in using the acquired knowledge to solve real problems. During the studies, particular emphasis is placed on research precision and on shaping appropriate ethical attitudes. Social competences related to working in groups and managing research projects are also developed.

When composing the curriculum for the course of Economics, the necessity to provide access to second-cycle studies was taken into account both for people who continue their education in the field of economics and for those who start their education in the Economics course and graduated from at least the first-cycle in another field of study. Taking into account the fact that as the economic life develops, the demand for specialists in the field of economics increases, the aim of second-cycle studies is to educate graduates adapted to the contemporary requirements of the labor market. These are people who can conduct independent research, prepare economic analyzes, make decisions important for the functioning of enterprises and strategic decisions in public institutions.

The curriculum mainly covers economics as the basic scientific discipline, but also considers elements of finance, management, and econometrics.

The course of Economics is developed in two language versions, four specialties are offered in the second-cycle studies in the course of study:

- Circular economy;
- Advanced economic analysis;
- Creating managerial competences;
- Managing enterprise development.

On the other hand, the Economics program in English provides for three specialties due to the smaller number of students. Two of them are the same as in the field of Economics in Polish (Circular economy and Advanced economic analysis). An additional specialty included in the Economics program in English is International Business. As part of all specialties, the graduate is provided with specialist knowledge, and also such skills and competences are developed that make them competitive on the difficult labor market. Both language versions of the study program implement the same learning outcomes. The above-mentioned specialties fully implement the course-related learning outcomes, which means that students, regardless of which specialty they choose, will complete the learning outcomes indicated for the course of study.

3. Level of studies

Second-cycle studies

4. Study profile

General academic

5. Form of studies

Full-time

6. The main goals of education

Studies in the course of Economics are of a general-academic nature, therefore the subjects implemented as part of the curriculum focus on providing students with in-depth knowledge and universal skills, as well as on creating ethical attitudes, socially desirable and expected by potential employers. The curriculum also includes subjects that allow graduates to acquire typically practical skills.

One of the main goals of education is to prepare graduates to the needs of the labor market, to pursue the profession of economist in various economic entities, and to set up and run their own business. Therefore, the curriculum for Economics, combining knowledge, skills, and competences in the field of economics, accounting and finance, takes into account both national and international patterns as well as the needs of the labor market.

Taking the above into account, the aim of second-cycle studies is to:

- transfer an in-depth knowledge in the field of economic and complementary sciences, on the phenomena and problems of management at the micro- and macroeconomic scale,
- apply the acquired knowledge in the implementation of current strategies for economic development on a global scale,
- prepare the graduate to use the knowledge gained about phenomena and economic processes in practice, to formulate practical independent conclusions and creative interpretation of various economic problems,
- educate a graduate who is active in the group (community), i.e. has the knowledge and skills in economics at a deeper level and is characterized by such competences, to play such an active role, focused, apart from self-education and self-improvement, first of all on public activity (in different scale and at different levels of social structures).

A graduate of the second-cycle studies of the Economics course shows the following general learning outcomes:

- highly specialized and up-to-date knowledge in the field of economics and related sciences,
- versatile and extended - in relation to first-cycle studies - economic knowledge and skills to use in practice the knowledge acquired during studies,
- the ability to conduct an independent economic analysis and modeling the course of economic phenomena,

- understanding economic mechanisms found in modern economies and the ability to evaluate the latest scientific achievements in the field of economic sciences,
- the ability to form his/her own opinions on economic phenomena and to present his/her substantive justification, indicating cause and effect relationships of economic processes,
- the ability to integrate knowledge from various fields and to use it in order to solve specific problems and conduct research,
- the ability to make rational decisions in conditions of uncertainty and risk, using quantitative and qualitative methods in the decision-making process, assessing at the same time the rationality and effectiveness of presented solutions, indicating alternative solutions of the decisions made,
- readiness to manage a team of people, and select the means and methods of work in order to effectively perform emerging professional tasks,
- creativity in the search for optimal solutions,
- honesty and reliability in conducting research and in professional work and the ability to manage human teams,
- the ability to plan activities, especially in the context of running your own business.

Depending on the chosen specialty, the student obtains additional learning outcomes in the field of preferred economic aspects in the scope of:

- advanced economic analysis,
- circular economy,
- international business.

Summing up, it can be said that a graduate of the Economics course has:

- in-depth knowledge in the field of micro- and macroeconomics and other related disciplines in the field of social sciences (management, sociology, and law),
- skills to use in the extended scope selected quantitative methods for research, analysis or forecasting of economic phenomena in connection with the performance of a specific profession.

7. Professional title

Graduate (*Magister* in Polish)

8. Possibility of employment and continuation of graduate's education

The course of Economics is intended for those who are interested in issues related to the broadly understood use of economic knowledge in business, administration or while running their own business. The curriculum was designed in such a way that the graduate could start a professional career in many areas of the economy, both in the private and public sectors. The specificity of studying at the Faculty of Economics and Sociology allows graduates to acquire competences not only typically economic, but also in the field of related sciences. Thanks to this, they will understand well economic language and economic issues. Such a graduate will get the opportunity of attractive employment as a specialist in industrial, commercial and service enterprises, public administration and everywhere where there is a need for economists. Thanks to the acquired qualifications, the graduate will find employment in particular in the positions of: a specialist in economic affairs and management, financial and investment adviser, business analyst, sales and marketing specialist or economist.

List of potential professions, in accordance with the Regulation of the Minister of Family, Labor and Social Policy of 7 August 2014 on the classification of professions and specializations for the needs of the labor market and the scope of its application (with changes - the current list - Regulation of the Minister of Family and Social Policy of 13 November 2021 amending the Regulation on the classification of professions and specialities for the needs of the labor market and the scope of its application (Journal of Laws 2021, item 2285), to which the graduates of the Economics course are prepared:

24 Specialists in economic affairs and management

241 Financial specialists

2411 Bookkeeping and accounting specialists

241102 Controlling specialist

241103 Accounting specialist

241104 Specialist in investment accounting

241105 Specialist in tax accounting

241106 Specialist in managerial accounting

241107 Financial controller

241190 Other bookkeeping and accounting specialists

2412 Financial and investment advisers

- 241201 Pension adviser
- 241202 Financial adviser
- 241203 Investment adviser
- 241205 Leasing adviser
- 241206 Specialist for drawing up business plans
- 241290 Other financial and investment advisers

2413 Financial analysts

- 241301 Stock market analyst
- 241302 Loan analyst
- 241303 Financial services packages designer
- 241304 Banking specialist
- 241305 Specialist in factoring matters
- 241306 Financial analyst
- 241307 Specialist for property and personal insurance
- 241308 Specialist in social insurance
- 241309 Specialist for health insurance
- 241310 Specialist in risk management (underwriter)
- 241311 Investment analyst
- 241390 Other financial analysts

243 Sales, marketing and public relations specialists

- 2431 Specialists in the field of advertising and marketing
- 243101 Market trends analyst (cool hunter)
- 243103 Product manager
- 243104 Brand manager
- 243105 A specialist in market analysis and development
- 243106 A specialist in marketing and trade
- 243107 Advertising specialist
- 243108 Specialist for interactive media
- 243109 Online sales specialist
- 243190 Other advertising and marketing specialists

263 Specialists in social and religious fields

2631 Economists

263101 Econometrician

263102 Economist

263190 Other economists

Completing studies in Economics, combined with several years of professional practice, can be the basis for applying for employment in a managerial position or for starting own business (including consulting).

Moreover, a graduate of the second-cycle studies may continue education at the Doctoral School, that enrollment and entry requirements take into account the competences obtained at the second-cycle degree in Economics (also abroad). The University of Lodz runs the Doctoral School of Social Sciences in the disciplines of sociological sciences, economics and finance, legal sciences, pedagogy, psychology, socio-economic geography and spatial management, management and quality sciences, politics, and administration. In addition, a graduate of Economics may raise qualifications at postgraduate studies and in other forms of training organized at the University of Lodz and other universities.

9. Prerequisites and the expected competences of the candidate, described by the language of learning outcomes

Recruitment for second cycle studies in Economics is carried out on the basis of competences confirmed by a grade achieved on the undergraduate diploma. The candidates for second-cycle studies are expected to have the advanced knowledge and skills to conduct economic analyses, i.e., they:

- know issues in the field of micro- and macroeconomics and economic history,
- know the terminology used in economics, understand its sources and applications in social sciences,
- have the knowledge to assess economic phenomena from a national, international and intercultural perspective.

The candidates should also use a methodological apparatus that is used to study economic phenomena. In addition, it is expected that they have the ability to collect, select and process

information on social and economic phenomena and to identify gaps in their knowledge and to fill them on their own. Thus, they understand the need for continuous vocational training and personal development. They should have the ability to cooperate in a group, be open to cooperation and building relationships, represent a creative attitude, which will enable them to take up professional challenges and implement individual and team activities.

The candidates are also expected to be able to formulate and express their own opinions and views on topics related to selected economic issues, using various theoretical approaches both from the achievements of economics and related disciplines. They should be familiar with the provisions of law in the field of intellectual property protection and copyright law, follow the principles of professional ethics and be convinced of the importance of professional conduct.

The candidates should speak English (at B2 level of the Common European Framework of Reference for Languages), taking into account the terminology characteristic of the discipline of economics and finance, know the Windows operating system and use office software.

The rules of enrollment (including admission limits) are set annually on the basis of the resolution of the Faculty Council and the resolution of the Senate of the University of Lodz.

10. Scientific fields and disciplines to which the learning outcomes relate

Economics and related learning outcomes are assigned to the field of social sciences, the scientific discipline: economics and finance (100%). In addition, the course includes content containing elements of other disciplines that create the necessary conceptual basis. They only enrich the profile of the graduate, without affecting the interdisciplinary nature of the course.

11. Learning outcomes for Economics for a given type of qualification with reference to the component of the description of the first and second degree (PRK) PQF characteristics

A detailed description of program references of the learning outcomes for the course of Economics, second-cycle studies for learning outcomes described in the Polish Qualifications Framework (PRK) is presented in the tabular statement in Table 1.

Every second-cycle student in Economics from the third semester can choose one of the three specializations:

- Advanced economic analysis;
- Circular economy;
- International Business.

A detailed description of the learning outcomes for specialties with reference to the area learning outcomes described in the Polish Qualifications Framework (PRK) is presented in the tabular statement in Tables 1A-1C.

Learning outcomes for the course of Economics.
Second-cycle studies - general academic profile

Table 1. The table of program references of the learning outcomes of the course of **Economics** to the first and second degree characteristics of the Polish Qualifications Framework (PRK).

Symbol of the learning outcomes for the course	DESCRIPTION OF THE LEARNING OUTCOME After completing the second-cycle studies in Economics, the graduate	Reference to the area learning outcomes described in the PRK (code of the PRK description component)
KNOWLEDGE		
06E-2A_W01	knows the terminology used in economics and understands its sources and applications within the social sciences at the extended level	P7S_WG
06E-2A_W02	has an in-depth knowledge of other social sciences (sociology and psychology, law and philosophy, management) and their relationship to economics	P7S_WG
06E-2A_W03	has a structured and formalized knowledge about the history of development of market institutions and understands the context of their formation and evolution	P7S_WG P7S_WK
06E-2A_W04	has an in-depth and structured knowledge about contemporary and historical economic trends, their basic assertions and their critical assessment from the perspective of the dilemmas of modern civilization	P7S_WG P7S_WK
06E-2A_W05	has an in-depth knowledge of the behavior of entrepreneurs in the field of production management, resource management or investment, as well as consumers in the selection of goods, optimization of working time or management of savings, as well as understands the interdependencies between entities on the market	P7S_WG P7S_WK
06E-2A_W06	has an in-depth knowledge of the importance of natural resources and institutional factors for the shaping of economic processes	P7S_WG P7S_WK
06E-2A_W07	has an in-depth knowledge enabling assessment of economic phenomena in the national, international and intercultural perspective	P7S_WG
06E-2A_W08	knows the quantitative tools used in economic research and used to solve decision-making, strategic and operational problems - also in dynamic approach	P7S_WG

06E-2A_W09	knows the basic legal regulations in the field of intellectual property and copyright protection	P7S_WG
SKILLS		
06E-2A_U01	can make an in-depth observations of economic phenomena and interpret the relationships between the factors that cause them, using the right analytical tools	P7S_UW
06E-2A_U02	can use an in-depth theoretical knowledge in the field of economics and related disciplines in order to formulate practical conclusions useful for decision-makers, as well as to analyze and interpret various economic problems; in addition, can critically choose methods of analysis	P7S_UW P7S_UK
06E-2A_U03	is able to analyze and predict the effects of economic decisions based on the knowledge of economic theories as well as quantitative and qualitative research techniques	P7S_UW
06E-2A_U04	can accurately and consistently express himself/herself in speech and writing on topics concerning various economic issues and lying on the borderline of various scientific disciplines; in addition, is able to present the substantive justification of the opinions presented	P7S_UK
06E-2A_U05	is able to prepare reports, analyzes and in-depth expert reports which facilitate making correct economic decisions in conditions of uncertainty and risk	P7S_UW P7S_UK
06E-2A_U06	has the ability to independently collect, select and process information, and can identify gaps in his/her knowledge and independently supplement them, as well as relate his/her knowledge to his/her own business decisions	P7S_UW P7S_UO P7S_UU
06E-2A_U07	is able to work in a team solving specific tasks in the field of economics, also performing a managerial role and independently choosing means and methods of work in order to effectively perform emerging professional tasks requiring extended skills in relation to various types of legal and ethical norms	P7S_UO
06E-2A_U08	is able to use a foreign language at the B2+ level of the Common European Framework of Reference for Languages, in the fields of science and scientific disciplines relevant to the studied field of study	P7S_UK
SOCIAL COMPETENCIES		
06E-2A_K01	is aware of the level of his/her knowledge, makes self-assessment of his/her own competences, can complement and improve acquired an in-depth knowledge and skills, understands the need for continuous professional training and personal development, consciously shaping his/her own professional career	P7S_KK
06E-2A_K02	is aware of the advantages and limitations of the theories and research methods learned; is creatively looking for solutions to the problems posed before them and is open to new scientific and methodological concepts	P7S_KK
06E-2A_K03	is able to engage in discussions and formulate in their course his/her own position, but is able to point out arguments to support his/her opinion, but remains open to arguments in favor of other views	P7S_KK
06E-2A_K04	cares about the reliability of the analyzes and the precision of the argument, is critical of his/her own work and sees the limitations of data used in research	P7S_KK P7S_KR

06E-2A_K05	is able to work and cooperate in a group, actively participates in groups, organizations or institutions, is open to cooperation and building relationships, to the needs and expectations of other people, represents a creative and entrepreneurial attitude, can manage human teams, is ready to take on professional challenges, is persistently striving to implement individual and team actions	P7S_KO
06E-2A_K06	follows the rules of professional ethics, respecting copyright, correctly identifies and resolves moral dilemmas related to the profession, is convinced of the importance of acting in a professional manner, is sensitive to social, economic and ecological problems	P7S_KR P7S_KO
06E-2A_K07	is responsibly preparing for his/her work, properly defining priorities for the implementation of specific tasks, is open to the chances of commercial use of his/her in-depth knowledge	P7S_KR
06E-2A_K08	acts in accordance with good practices regarding the principles of protection of intellectual property of and copyright	P7S_KR

Table 1A. Reference to the learning outcomes set for the **Advanced economic analysis** specialty to the course learning outcomes.

Symbol of the learning outcomes for the specialty	DESCRIPTION OF THE LEARNING OUTCOME After completing the Advanced economic analysis specialty module at the second-cycle studies in Economics, the graduate	Reference to learning outcomes
KNOWLEDGE		
06EI2A_W01	has an in-depth and structured knowledge about theoretical concepts concerning economic processes taking place in the global economy	06E-2A_W01 06E-2A_W07
06EI2A_W02	has an in-depth knowledge of the functioning of international financial markets, labor markets, methods of their analysis and valuation of financial assets	06E-2A_W03 06E-2A_W05
06EI2A_W03	has an in-depth and structured knowledge about creating enterprises, resource management and relations between entities in the economic environment in the global dimension	06E-2A_W02 06E-2A_W07
06EI2A_W04	he has an in-depth knowledge of economic phenomena in the national and international perspective	06E-2A_W01 06E-2A_W02
06EI2A_W05	knows advanced quantitative and qualitative methods of financial and economic data analysis	06E-2A_W08
SKILLS		
06EI2A_U01	is able to conduct in-depth economic and financial analyzes in the national and international perspective	06E-2A_U02 06E-2A_U03
06EI2A_U02	can make a creative interpretation of phenomena and processes taking place in the global economy on the financial market and labor market	06E-2A_U01 06E-2A_U02
06EI2A_U03	is able to choose the right analytical and research tools to assess and make an innovative analysis of the processes taking place in the global economy	06E-2A_U03 06E-2A_U04
06EI2A_U04	is able to make a critical analysis and evaluation of economic phenomena in order to solve unusual economic problems	06E-2A_U01 06E-2A_U06
06EI2A_U05	can use advanced information and communication methods and techniques in order to logically and intelligibly present conclusions from in-depth economic and financial analyzes	06E-2A_U03 06E-2A_U07
SOCIAL COMPETENCIES		
06EI2A_K01	is ready to develop his/her economic and financial knowledge	06E-2A_K01 06E-2A_K02
06EI2A_K02	can creatively participate in the discussion and inspire to search for innovative solutions to advanced economic problems	06E-2A_K02 06E-2A_K05
06EI2A_K03	can make a critical assessment of his/her own and other people's views	06E-2A_K02 06E-2A_K04

Table 1B. Reference to the learning outcomes set for the **Circular economy** specialty to the course learning outcomes.

Symbol of the learning outcomes for the specialty	DESCRIPTION OF THE LEARNING OUTCOME After completing the Circular economy specialty module at the second-cycle studies in Economics, the graduate	Reference to learning outcomes
KNOWLEDGE		
06EC2A_W01	knows and understands the key concepts and principles of sustainable development, transport, tourism and agriculture	06E-2A_W01 06E-2A_W07
06EC2A_W02	has an in-depth knowledge of economic structures and institutions operating in the field of environmental protection	06E-2A_W03 06E-2A_W05
06EC2A_W03	has an in-depth knowledge of the role of man undertaking business in the natural environment	06E-2A_W02 06E-2A_W07
06EC2A_W04	knows and understands socio-economic relations, indicates their impact on environmental change processes, has an in-depth knowledge about their causes and consequences for the economy, man and environment	06E-2A_W01 06E-2A_W02
06EC2A_W05	has an in-depth knowledge about achievements in the field of eco-innovations and facilities, equipment and environmental technologies, knows and mentions the possibilities of their application in business practice, taking into account the principles of environmental law, industrial property and copyright law	06E-2A_W05 06E-2A_W06 06E-2A_W09
06EC2A_W06	knows and understands the relationship between the economy and the environment in practice; has an in-depth knowledge about the impact of the economy on the natural environment to the extent necessary to understand current political, social and economic phenomena; indicates environmental changes and threats caused by anthropopressure	06E-2A_W06 06E-2A_W07
06EC2A_W07	knows and understands various economic and legal aspects in the field of environmental protection	06E-2A_W02 06E-2A_W09
06EC2A_W08	has an in-depth knowledge of key concepts, objectives, principles and instruments determining the pursued policy of environmental protection, and describes the environmental and economic effects of the pursued policy, also in the international aspect	06E-2A_W07
06EC2A_W09	has an in-depth knowledge of activities undertaken to protect the environment at the micro- and macroeconomic level, including CRS activities and knows the possibilities of their application in economic practice, also on an international scale	06E-2A_W05 06E-2A_W07
06EC2A_W10	knows and understands the legal aspects of environmental protection, environmental policy, economy of using renewable energy sources, waste management and water and sewage management	06E-2A_W03 06E-2A_W07
SKILLS		
06EC2A_U01	can describe and indicate the importance of economic sciences in solving complex environmental problems in economic practice	06E-2A_U02 06E-2A_U03
06EC2A_U02	can explain the essence of close links between the economy and the environment, the impact of the economy on the condition of and threat to nature to the extent necessary for understanding contemporary political, social and economic phenomena	06E-2A_U01 06E-2A_U02

06EC2A_U03	uses the acquired, an in-depth knowledge and broad skills, as well as their profession as an economist in domestic and international units, where occur problems related to the protection of the natural environment	06E-2A_U03 06E-2A_U04
06EC2A_U04	can observe, interpret, and analyze phenomena which occur in the natural environment, as well as can analyze their impact on particular areas of economic activity	06E-2A_U01 06E-2A_U06
06EC2A_U05	is able to use an in-depth economic knowledge, including the knowledge of environmental economics in professional practice in order to analyze and interpret various economic problems and formulate practical conclusions, as well as to solve dilemmas appearing in professional work in domestic and international units obliged to comply with environmental protection regulations (including using normative systems, selected norms and rules)	06E-2A_U04 06E-2A_U06
06EC2A_U06	can accurately and consistently express in speech and in writing on topics related to environmental protection, using various theoretical approaches and skillfully formulate practical conclusions and recommendations for the economy and international business	06E-2A_U04 06E-2A_U06
06EC2A_U07	can prepare (on his/her own or as part of a team) various types of reports, analyzes, statements, and expert opinions which may enable taking correct economic decisions aimed at limiting the negative effects of civilization processes on the natural environment	06E-2A_U05 06E-2A_U06
06EC2A_U08	can analyze his/her own activities; in addition, is able to verify the correctness of reports, analyzes and expert opinions made by themselves and others, including those concerning applied and proposed environmental technologies in the field of environmental protection	06E-2A_U05 06E-2A_U06
06EC2A_U09	can work in a team solving complex tasks in the field of economics and environmental protection, correctly using selected normative systems in order to solve a specific environmental problem; at the same time, has the organizational skills to achieve the goals related to designing and undertaking professional activities	06E-2A_U06 06E-2A_U07
06EC2A_U10	analyzes and explains the relationships between the economy, environment and ecology, and uses diversified methods and advanced quantitative tools to describe these relationships	06E-2A_U03 06E-2A_U06
06EC2A_U11	is able to manage his/her own development and independently acquire knowledge by obtaining information from literature in the field of economic sciences and environmental protection, by collecting and processing information from various sources (including electronic sources), can use reports, analyzes of various organizations and institutions (domestic, international) to assess the risk of environmental hazards and then interpret them, draw conclusions and formulate opinions, use the acquired information in professional practice	06E-2A_U05 06E-2A_U06 06E-2A_U08
06EC2A_U12	is able to prepare on his/her own and in a group written works in English and foreign language regarding economics and environmental protection using diversified theoretical approaches, as well as various sources	06E-2A_U06 06E-2A_U07 06E-2A_U08

06EC2A_U13	has the ability to prepare on his/her own and in a group multimedia presentations and oral presentations in English and foreign language on the subject of economics and environmental protection using in-depth theoretical approaches, as well as various sources	06E-2A_U06 06E-2A_U07 06E-2A_U08
06EC2A_U14	can acquire information, analyze, perform practical tasks under the guidance of a scientific supervisor, and also advise on matters related to the need to comply with environmental protection regulations in business	06E-2A_U04 06E-2A_U06
SOCIAL COMPETENCIES		
06EC2A_K01	is aware of the necessity of constantly improving his/her qualifications, tracking information about in-depth interactions between the economy, environment and man	06E-2A_K01 06E-2A_K02
06EC2A_K02	is able to work on his/her own and in a team, and uses his/her in-depth knowledge and skills in a creative, responsible and ethical way	06E-2A_K02 06E-2A_K05
06EC2A_K03	recognizes the complexity of processes which take place in the modern world economy, is aware of the consequences and threats which man's economic activity entails for the natural environment, undertakes or co-organizes initiatives for environmental protection	06E-2A_K02 06E-2A_K04 06E-2A_K06
06EC2A_K04	demonstrates sensitivity and a critical look at the social, economic and ecological dilemmas of the modern economy, with particular emphasis on preserving the values of the natural environment	06E-2A_K02 06E-2A_K03

Table 1C. Reference to the learning outcomes set for the **International Business** specialty to the course learning outcomes.

Symbol of the learning outcomes for the specialty	DESCRIPTION OF THE LEARNING OUTCOME After completing the International Business specialty module at the second-cycle studies in Economics, the graduate	Reference to learning outcomes
KNOWLEDGE		
06EG2A_W01	has an in-depth knowledge about world trading system and its current and future developments	06E-2A_W01 06E-2A_W04
06EG2A_W02	knows the types of risks and methods of managing it in the international operations	06E-2A_W05 06E-2A_W07
06EG2A_W03	knows the various business models and current tendencies in the global business	06E-2A_W01 06E-2A_W02
06EG2A_W04	knows the sources and forms of financing international economic activities	06E-2A_W05 06E-2A_W08
06EG2A_W05	knows in-depth quantitative and qualitative methods of international market analysis	06E-2A_W04 06E-2A_W08
06EG2A_W06	is familiar with the types and characteristics of international business transactions and restrictions to the access to foreign markets	06E-2A_W01 06E-2A_W05
06EG2A_W07	is able to classify national cultures and identify the sources of cultural stereotypes	06E-2A_W02 06E-2A_W07
SKILLS		
06EG2A_U01	can identify the specific characteristics of different business models	06E-2A_U01 06E-2A_U03
06EG2A_U02	can identify and select business strategies used in international business	06E-2A_U01 06E-2A_U02 06E-2A_U05
06EG2A_U03	is able to identify the areas of international business in which national cultures exert the greatest impact	06E-2A_U04 06E-2A_U06 06E-2A_U08
06EG2A_U04	is able to take into account cultural differences in contacts and doing business with various nations	06E-2A_U04 06E-2A_U07 06E-2A_U08
06EG2A_U05	is capable of adapting business to culturally differentiated environment	06E-2A_U06 06E-2A_U07
06EG2A_U06	knows how to collect the materials and data to describe business systems of the selected countries and how to use that in-depth knowledge while doing business	06E-2A_U01 06E-2A_U02
06EG2A_U07	can respond effectively to challenges and complex situations in business life	06E-2A_U02 06E-2A_U04 06E-2A_U06
06EG2A_U08	is able to develop international business plan and to implement it	06E-2A_U02 06E-2A_U05
SOCIAL COMPETENCIES		
06EG2A_K01	overcomes negative feelings associated with the change of cultural environment	06E-2A_K01 06E-2A_K02
06EG2A_K02	shows a critical attitude towards cultural stereotypes and prejudices	06E-2A_K03 06E-2A_K05 06E-2A_K07

06EG2A_K03	is ready to build better intercultural relationships with business people around the world	06E-2A_K01 06E-2A_K03 06E-2A_K05
06EG2A_K04	makes a critical assessment of his own and others` views	06E-2A_K01 06E-2A_K02 06E-2A_K04

12. Conclusions from the analysis of the compliance of the learning outcomes with the needs of the labor market and the social environment and conclusions from the analysis of the results of monitoring graduates' professional careers as well as proven international patterns

The curriculum for Economics, combining knowledge, skills and competences mainly in the field of economics, accounting and finance, takes into account both national and international models as well as the needs of the labor market.

The current and forecasted demand for economists and economic specialists was determined on the basis of the results of reports, surveys and statistical data prepared by the Ministry of Family, Labor and Social Policy (MRPiPS), Statistics Poland (GUS), and Randstad Polska Research Institute (IBRP).

In general, the results of the analysis of the labor market in Poland in relation to people with higher education do not cause concern. The Labor Force Survey (BAEL) in 2020 showed that among the surveyed, specified by education level, the lowest unemployment rate was recorded among people with higher education - it accounted for 1.9%, while the total unemployment rate was 5.9%. What is more this indicator for the Lodz province was at the level of 2.9% (2019). One of the lowest indicators was also reported in the case of the unemployed under 25 in Poland. In the Lodz province it amounted to 10.4% (as of the end of 2020)¹.

One of the industries in which employers most often declare increasing employment are modern business services. When analyzing the monitoring of deficit and surplus occupations, it can be seen that the first group includes financial and investment advisers, sales specialists and financial managers. The Professions Barometer 2021² prepared at the Voivodship Labor Office indicates that in Lodz, the profession of economist is included in the group of sustainable professions, i.e. those in which the number of job offers will be similar to the number of people

¹ Rynek pracy w województwie łódzkim w 2020 r., Wojewódzki Urząd Pracy w Łodzi, Łódź kwiecień 2021 r.

² https://barometrzasowodow.pl/forecast-card-zip/2021/report_pl/raport_województwo_lodzkie_2021.pdf (accessed: 14.03.2022).

capable and willing to take up employment (most deficit professions concern manual workers). According to the report prepared in 2020 by the Association of Business Service Leaders in cooperation with EY, JLL, Randstad Poland and Randstad Sourceright, Lodz ranks at the forefront in Poland in terms of business location for the BPO/SSC/IT sector³. The demand gap on the market reported by employers can thus be filled by graduates of the course of Economics.

When describing the learning outcomes, the legal regulations in force on the day of the curriculum was adopted were taken into account. In addition, before starting the development of the assumed learning outcomes, a number of consultations were conducted with the participation of current and former students of Economics, potential employers, representatives of the Business Council members at the Faculty of Economics and Sociology of the University of Lodz, and the content of commonly available curricula for Economics from national and foreign universities was analyzed. The studies thus provide an in-depth program of knowledge, skills and social competences, significantly enhancing chances of obtaining an attractive job.

It is worth emphasizing that the Faculty where the Economics course is conducted operates in close cooperation with the environment, thanks to which the knowledge about the needs of the labor market is constantly expanded. Examples of contacts with the economic environment include the following events: Career Days, Job Fairs, regular Dean's Lectures, Rector's Lectures. As part of the Scientific Research Laboratory functioning at the Faculty, students are included in research for business entities. Students can also participate in a university initiative called the Competence Academy. It is a series of trainings and workshops conducted by representatives of companies and institutions from various industries.

In addition, the Business Council is an important forum for cooperation with the socio-economic environment, the Council cyclically carries out various initiatives in which students of Economics can participate, and which provide an excellent opportunity to communicate with potential employers, including identifying their needs. The Business Council is composed of

³ <https://absl.pl/storage/app/uploads/public/5ee/887/8d5/5ee8878d59858995982318.pdf> (accessed: 14.03.2022).

representatives of the enterprise sector and public institutions. One of the aspects of its activity is organizing meetings of business practitioners with students.

The analysis of data from the Career Office of the University of Lodz and our own sources, allow us to determine that graduates of Economics find employment in the private sector and public institutions.

13. Relationship with the mission of the University and its development strategy

The curriculum for the course of Economics corresponds to the mission and strategy of the University of Lodz. The mission of the University of Lodz is “to conduct reliable scientific research and actively proclaim the truth resulting from it, so as to wisely educate subsequent generations, be useful to society and boldly respond to the challenges of the modern world”.

The course of Economics is based on the values disseminated in the Strategy of the University of Lodz 2021-2030, it fully implements four main strategic objectives, which are:

1. Dynamic development of scientific potential,
2. Implementation of modern education based on scientific research and cooperation with the environment,
3. Strengthening the importance of the university as an institution creating reality in the environment,
4. Integration and development of the academic community around academic values.

The course of Economics is created for people who want to learn about diverse views and ideas. The study program combines theoretical knowledge with its verification in practice, it corresponds to the flexible demand on the labor market. Students gain a reliable and thorough knowledge of management in a dynamically changing, modern world, they are able to boldly face the challenges and changes in the economic reality in the region. They learn independent and critical thinking, develop their competences, shape social sensitivity and civic attitudes. They not only perceive the university as a place of obtaining a good education, but also a "decent life" in which culture and commitment to the environment play an important role. Students of the course of Economics are also provided with ethical values, and the community they create knows, respects and has due regard for academic values.

It should be emphasized that the course of Economics is an innovative field, and in the didactic process, apart from reliable and substantive knowledge, students have contact with economic practice. Thanks to this, the importance of the university as an institution creating reality in the economic environment is strengthened. It is also important that the employees of the Institute of Economics cooperate with the business environment in many aspects. This cooperation is to better prepare students for the requirements of the modern, dynamic labor market. Therefore, the activities are based on trainings, lectures and discussion panels organized by companies and aimed at presenting real examples of companies' activities on the market. Students of Economics, in order to use their knowledge in practice, have internships in institutions from the business environment. Considering the above, the course of Economics should be considered consistent with the mission and strategy of the University of Lodz.

14. Differences in relation to other curricula with similarly defined goals and learning outcomes conducted at the University of Lodz

The curriculum for the course of Economics clearly stands out from the offer at the Faculty of Economics and Sociology of the University of Lodz because it is the only study conducted in English. The curriculum includes the learning outcomes expected in the course of Business Management implemented at another faculty of the University of Lodz - the Faculty of Management.

Economics, unlike the above-mentioned course, which focuses on specialized areas of knowledge, finance, accounting, marketing, law, and international business), is distinguished by the largest of all courses at the University with the participation of subjects that form the basis of the economist's workshop (microeconomics and macroeconomics). As a result, the second-cycle studies in Economics are the only curriculum where students can learn about economics at a deeper level. In combination with a wide range of complementary subjects and a wide range of specialties, the studies make it possible to acquire skills useful for working in analytical and managerial positions in enterprises, banks, and financial institutions as well as public administration bodies. They also provide the best preparation for third-cycle studies in economics.

Other differences in relation to the above-mentioned curriculum with similarly defined goals and learning outcomes conducted at the University of Lodz include:

- a wide range of didactic activities based on the research and scientific interests of employees and referring to their professional experience gained outside the university,
- flexibility of curricula - taking into account new knowledge, which is partly the result of research by the educators themselves, and constant adaptation of curriculum content to the needs of the labor market,
- preparing academic textbooks for courses in Economics,
- increasing level of internationalization of the teaching process - subjects in foreign languages, students from abroad, numerous visits of lecturers to foreign universities.

15. Study plan

The study plans contain information about the classes carried out in individual semesters, their hourly dimension, forms and ECTS credits assigned to them. Study plans contain information about the implementation of the curriculum during the studies in the semester arrangement and a list of specialty subjects in a modular arrangement.

Study plan - ECONOMICS - full-time second-cycle studies - semester grid

Year	Semester	Subject	CODE	Details								Exam/cr edit with grade	ECTS	Module
				Number of Hours										
				Lecture	Tut. Aud.	Workshop	Computer lab.	Undergrad. semin.	Language	Total				
	1	Advanced Microeconomics		28	28		14				70	E	11	MP
	1	History of Economic Thought		14	14						28	E	4	MP
	1	Development Economics		14	14						28	E	4	MP
	1	Capital Market		14	14						28	E	4	MP
	1	Economic Mathematics		14	14						28	Z	4	MP
	1	Contemporary Economics - key issues			14						14	Z	2	MP
I														
Total after 1st semester:											Hours: 196	ECTS: 29		
	2	Advanced Macroeconomics		28	28		14				70	E	11	MP
	2	Institutions in Economy		14	14						28	Z	4	MP
	2	International Economics		28	28						56	E	8	MP
	2	Economic Law		28							28	Z	4	MP
	2	Graduate Thesis Seminar						28			28	Z	4	MW
Total after 2nd semester:											Hours: 210	ECTS: 31		
	3	Econometrics and Forecasting		14			14				28	E	4	MP
	3	Philosophy		14							14	Z	2	MP
	3	Seminar on Economics (in English)			28						28	E	5	MW
	3	Elective Lectures		28							28	Z	2	MW
	3	Speciality Module									84	Z	12	MW
	3	Graduate Thesis Seminar						28			28	Z	5	MW
II														
Total after 3rd semester:											Hours: 210	ECTS: 30		
	4	Speciality Module									84	Z	12	MW
	4	Elective Lectures		14							14	Z	1	MW
	4	Graduate Thesis Seminar						28			28	Z	7	MW
	4	Degree Examination									0	E	10	MW
Total after 4th semester:											Hours: 126	ECTS: 30		
GRAND TOTAL:											Hours: 742	ECTS: 120		

Registration for the undergraduate thesis seminar and the specialty module takes place through registration in the USOSweb system (www.usosweb.uni.lodz.pl) and takes place in two stages. In the first stage of registration, the average grade for the first year of study is taken into account. The second stage takes place on a first-come, first-served basis. The moment of registering for the course counts.

Registration for elective classes (elective lectures, elective lectures in a foreign language) by way of registration takes place on a first-come, first-served basis. The moment of registering for the course counts. The number of class groups is in accordance with the applicable regulations within the University of Lodz and faculty arrangements.

Study plan - ECONOMICS - full-time second-cycle studies
ADVANCED ECONOMIC ANALYSIS specialization module

year	semester	Speciality module course	Details							
			CODE	Number of hours				Exam/credit with grade	ECTS	
				lectures	tutorial	workshop	computer lab.			Total
II	4	Advanced Times Series Econometrics		14			14	28	Z	4
	4	Advanced Economic Policy					28	28	Z	4
	4	Political Economy		28				28	Z	4
	4	Heterodox Economics		28				28	Z	4
	4	Advanced Panel Data Econometrics		14			14	28	Z	4
	4	Topics in labour economics		28				28	Z	4
Speciality module: ADVANCED ECONOMIC ANALYSIS							Hours: 168	p. ECTS: 24		

Study plan - ECONOMICS - full-time second-cycle studies
CIRCULAR ECONOMY specialization module

year	semester	Speciality module course	Details							
			CODE	Number of hours				Exam/credit with grade	ECTS	
				lectures	tutorial	workshop	computer lab.			Total
II	3	Environmental Law		14				14	Z	2
	3	Fuel and Energy Management		14	14			28	Z	4
	3	Sustainable Transportation, Tourism and Agriculture		28				28	Z	4
	3	Renewable Energy Sources Management		14				14	Z	2
	4	International Business and Environment Protection		14	14			28	Z	4
	4	Policies on the Markets of Network Sectors		28				28	Z	4
	4	Transnational Regulations of Environment Protection		28				28	Z	4
Speciality module: CIRCULAR ECONOMY							Hours: 168	p. ECTS: 24		

Study plan - ECONOMICS - full-time second-cycle studies
INTERNATIONAL BUSINESS specialization module

year	semester	Speciality module course	Details							
			CODE	Number of hours				Exam/credit with grade	ECTS	
				lectures	tutorial	workshop	computer lab.			Total
II	3	Business Etiquette			14			14	Z	2
	3	International Business Communication			28			28	Z	4
	3	Financial Management in International Business			28			28	Z	4
	3	World Trading System			14			14	Z	2
	4	Cultural Aspects in International Business			28			28	Z	4
	4	Business Strategies in the International Firm			28			28	Z	4
	4	Business Models and Operations			28			28	Z	4
Speciality module: INTERNATIONAL BUSINESS							Hours: 168	p. ECTS: 24		

16. The balance of ECTS credits together with indicators characterizing the curriculum

<p>The number of semesters and the total number of ECTS credits a student needs to earn in order to obtain specific qualifications</p>	<p>4 semesters, 120 ECTS credits</p>
<p>The total number of hours of classes, including internships, which a student must complete during the course of study; in the case of specializations/modules/ elective courses with different number of hours - the highest total number of hours</p>	<p>742</p>
<p>Total number of ECTS credits that the student must obtain under contact classes (requiring direct participation of lecturers and students)</p>	<p>65 (ECTS credits for a subject are awarded in full after verifying the achievement of the assumed learning outcomes, and not separately for individual components (contact hours, current work and preparation to obtain a course credit). The curriculum includes classes with direct participation of lecturers and students for each subject. Work with the direct participation of academic teachers or other persons conducting classes and students takes place both as part of classes planned in individual semesters, as well as part of work on projects, workshops, preparation of individual and group projects by students, final essays, etc. The requirement to implement these forms of classes with the direct participation of academic teachers or other persons conducting classes and students is presented to students in the descriptions of the subjects (in the descriptions of the conditions for passing the subjects and the methods and criteria of assessment). Students are therefore informed about the necessity to consult the effects of their own work under the contact hours, both in the study regulations (provision on the obligation to participate in classes) and in detail during classes by the teachers and in the subject syllabuses. At the Faculty of Economics and Sociology, the ongoing control of obtaining ECTS credits by students as part of contact classes is implemented by the teachers who conduct</p>

	classes and is comprehensively controlled by the management and consultation boards of individual institutes.
The total number of ECTS credits that a student must obtain under the classes that develop practical skills	28
Number of ECTS credits that a student must obtain while implementing education modules in the field of university-wide classes or in another field of study, if the curriculum provides for them	0 (The curriculum does not provide for university-wide classes)
The minimum number of ECTS credits that a student must obtain during classes in the field of humanities	field of humanities – 6 ECTS
The total number of ECTS credits that a student must obtain during the elective classes	58

17. Description of the process leading to the achievement of the learning outcomes

a. description subjects in accordance with the requirements in force in this regard at the University of Lodz

The description of individual subjects included in the study plans for Economics is compliant with the requirements applicable in this respect at the University of Lodz and is included in the syllabuses.

The syllabus contains detailed information on the number of hours of classes, including forms of education, number of ECTS credits, description of learning outcomes (knowledge, skills, and competences), curriculum content, forms of education and the way of verifying learning outcomes.

The comprehensive characterization of learning outcomes for Economics includes study plans, a description of subjects included in the syllabuses and a matrix of learning outcomes. Descriptions of individual subjects are available at USOSweb before the commencement of

classes. The syllabuses of the core module subjects can be found in Annex 1 attached to this curriculum.

b. table specifying the relationship between the course related outcomes and learning outcomes defined for individual subjects or modules of the learning process

The matrix of learning outcomes determines the relationship between the learning outcomes defined for the curriculum (course related outcomes) with the learning outcomes defined for individual subjects (modules). Due to the specificity of the course of study, specialty outcomes were also taken into account.

The analysis of matrices makes it possible to conclude that the implementation of the second-cycle curricula for Economics ensures achievement of the anticipated learning outcomes (all the course related learning outcomes correspond to the learning outcomes achieved as a result of implementing particular subjects). In the case of specialties, the matrices show the learning outcomes defined for each specialty. The reference to the course related learning outcomes is shown in Tables 2A-2C.

Matrix of common learning outcomes for the second-cycle studies course of Economics

Subjects Learning Outcomes	Advanced Microeconomics	Advanced Macroeconomics	Capital Market	Econometrics and Forecasting	History of Economic Thought	International Economics	Development Economics	Contemporary Economics - key issues	Institutions in Economy	Economic Mathematics	Philosophy	Economic Law	Seminar on Economics (in English)	Elective Lectures	Graduate Thesis Seminar	Degree Examination
Knowledge																
06E-2A_W01	+	+	+		+	+	+	+	+				+	+	+	+
06E-2A_W02									+		+	+		+		
06E-2A_W03	+	+			+	+			+							
06E-2A_W04					+											
06E-2A_W05	+	+	+			+	+									+
06E-2A_W06							+		+							
06E-2A_W07				+		+		+						+		+
06E-2A_W08				+						+						
06E-2A_W09												+			+	

Matrix of common learning outcomes for the second-cycle studies course of Economics

Subjects Learning Outcomes	Advanced Microeconomics	Advanced Macroeconomics	Capital Market	Econometrics and Forecasting	History of Economic Thought	International Economics	Development Economics	Contemporary Economics - key issues	Institutions in Economy	Economic Mathematics	Philosophy	Economic Law	Seminar on Economics (in English)	Elective Lectures	Graduate Thesis Seminar	Degree Examination
	Skills															
06E-2A_U01	+	+		+	+	+	+	+	+	+			+	+	+	+
06E-2A_U02	+	+	+	+	+	+	+				+	+	+		+	+
06E-2A_U03				+						+						
06E-2A_U04	+	+			+	+	+				+	+	+	+	+	+
06E-2A_U05			+	+						+						
06E-2A_U06				+	+			+	+				+	+	+	+
06E-2A_U07												+	+		+	
06E-2A_U08													+			

Matrix of common learning outcomes for the second-cycle studies course of Economics

Subjects Learning Outcomes	Advanced Microeconomics	Advanced Macroeconomics	Capital Market	Econometrics and Forecasting	History of Economic Thought	International Economics	Development Economics	Contemporary Economics - key issues	Institutions in Economy	Economic Mathematics	Philosophy	Economic Law	Seminar on Economics (in English)	Elective Lectures	Graduate Thesis Seminar	Degree Examination
Social competencies																
06E-2A_K01	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
06E-2A_K02			+	+	+	+	+		+				+		+	+
06E-2A_K03	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
06E-2A_K04				+						+			+			+
06E-2A_K05													+		+	+
06E-2A_K06							+				+	+			+	
06E-2A_K07			+	+									+	+		+
06E-2A_K08															+	

Table 2A *Matrix of learning outcomes for the Advanced economic analysis speciality*

Subjects Learning outcomes	Advanced time series econometrics	Advanced economic policy	Political economy	Heterodox economics	Advanced panel data econometrics	Topics in labour economics
Knowledge						
06EI2A_W01			+	+		+
06EI2A_W02	+				+	+
06EI2A_W03		+	+	+		
06EI2A_W04		+	+	+		+
06EI2A_W05	+				+	
Skills						
06EI2A_U01	+	+			+	+
06EI2A_U02		+	+	+		+
06EI2A_U03	+				+	
06EI2A_U04		+	+	+		
06EI2A_U05	+				+	
Social competencies						
06EI2A_K01		+	+	+		+
06EI2A_K02	+	+	+	+	+	+
06EI2A_K03		+	+	+		

Table 2B *Matrix of learning outcomes for the Circular Economy specialty*

Subjects Learning outcomes	Environmental law	Fuel and energy management	Sustainable transportation, tourism and agriculture	Renewable energy sources management	International business and environment protection	Policies on the markets of network sectors	Transnational regulations of environment protection
Knowledge							
06EC2A_W01		+	+	+			+
06EC2A_W02	+			+	+	+	+
06EC2A_W03		+	+	+	+		
06EC2A_W04		+	+	+	+		
06EC2A_W05		+	+	+	+	+	
06EC2A_W06	+	+	+	+	+	+	+
06EC2A_W07	+					+	+
06EC2A_W08	+		+		+	+	+
06EC2A_W09	+		+		+		+
06EC2A_W10		+		+		+	+
Skills							
06EC2A_U01				+		+	
06EC2A_U02		+	+	+	+	+	
06EC2A_U03	+		+		+		+
06EC2A_U04		+	+	+	+	+	
06EC2A_U05	+	+	+	+	+	+	+
06EC2A_U06		+	+	+	+		
06EC2A_U07		+	+	+	+	+	
06EC2A_U08		+		+			
06EC2A_U09		+	+	+	+		
06EC2A_U10		+	+	+	+	+	
06EC2A_U11		+	+	+	+	+	
06EC2A_U12		+	+	+	+		+
06EC2A_U13		+	+	+	+		
06EC2A_U14	+	+	+	+	+	+	+
Social competencies							
06EC2A_K01	+		+		+	+	+
06EC2A_K02	+		+	+	+	+	
06EC2A_K03		+	+	+	+		
06EC2A_K04		+	+	+	+	+	

Table 2C *Matrix of learning outcomes for the International business specialty*

Subjects Learning outcomes	Business etiquette	International business communication	Financial management in international business	World trading system	Cultural aspects in international business	Business strategies in international firm	Business models and operations
Knowledge							
06EG2A_W01				+		+	+
06EG2A_W02			+	+	+	+	
06EG2A_W03			+	+		+	+
06EG2A_W04			+			+	
06EG2A_W05						+	+
06EG2A_W06	+	+		+		+	+
06EG2A_W07	+	+			+		
Skills							
06EG2A_U01						+	+
06EG2A_U02	+		+	+		+	
06EG2A_U03	+			+	+		
06EG2A_U04	+	+			+		
06EG2A_U05					+	+	+
06EG2A_U06			+	+		+	+
06EG2A_U07	+	+				+	
06EG2A_U08			+			+	+
Social competencies							
06EG2A_K01	+	+			+		
06EG2A_K02					+		
06EG2A_K03	+	+		+		+	
06EG2A_K04			+	+		+	+

c. dimension, rules, and forms of internships

Second-cycle students of Economics are not required to complete internships.

d. classes preparing students for conducting research at second-cycle studies

Second-cycle studies in Economics enable students to participate in research. In particular, the following subjects are aimed at achieving this goal:

- Economic mathematics,
- Econometrics and forecasting,
- Master's seminar.

e. A list and volume of mandatory training, including health and safety training and training on the protection of intellectual property and copyright

Students who begin second-cycle studies are required to undergo training in occupational health and safety and fire protection, in accordance with the Regulation of the Rector of the University of Lodz and library training, as well as training in copyright law.

1.	Course title	Advanced Microeconomics
2.	Number of hours per course/ type of class	Lecture: 28 hours Practice class: 28 hours Computer lab: 14 hours
3.	Assessment form	Lecture: Exam Practice class: Graded credit Computer lab: Graded credit
4.	Form of conducting classes	Stationary
5.	Language of instruction	English
6.	ECTS credits	11
7.	Shortened (general) course description	The course of the Advanced Microeconomics is designed to equip students with knowledge about intermediate economic models. This course will expose them to the current issues of the area, as well as give them an understanding of the tools needed to undertake further research in this area.
8.	Prerequisites, defining the knowledge and skills that a student must have when enrolling in the course	Basic Economics; Basic calculus
9.	The course learning outcomes defining the knowledge, skills and/or competences to be acquired by each student obtaining ECTS credits, along with an indication of the course- specific and possibly specialty learning outcomes (codes of effects to which the course was assigned in the competency matrix included in the study programme)	<p>Knowledge Student:</p> <ul style="list-style-type: none"> - knows and understand concepts of Microeconomics and can apply them to analyze the real-world phenomena (06E-2A_W01), - is able to show the impact of institution on performance of economic agents (06E-2A_W03), - understands how to apply economics models in every-day life (06E-2A_W05). <p>Skills Student:</p> <ul style="list-style-type: none"> - can easily use calculus to solve optimization problems (06E-2A_U01), - is able to propose economic policy recommendations (06E-2A_U02), - is able to combine theoretical knowledge with his/her experience (06E-2A_U04). <p>Social competencies Student:</p> <ul style="list-style-type: none"> - understands limitations of economic theory (06E-2A_K01), - is able to use scientific arguments and data in discussions (06E-2A_K03).

1.	Course title	History of Economic Thought
2.	Number of hours per course/ type of class	Lecture: 14 hours Practice class: 14 hours
3.	Assessment form	Lecture: Exam Practice class: Graded credit
4.	Form of conducting classes	Stationary
5.	Language of instruction	English
6.	ECTS credits	4
7.	Shortened (general) course description	The course aims at presenting the development of economic thought from Antiquity to the beginning of the 21st century to deepen understanding of economic ideas. Also, it encourages students to analyse original writings by economists to support a critical and analytical approach to economic concepts. It focuses on interpreting macro- and microeconomic processes from the historical perspective.
8.	Prerequisites, defining the knowledge and skills that a student must have when enrolling in the course	The student should know the basic information in the field of economics, economic history and general history.
9.	The course learning outcomes defining the knowledge, skills and/or competences to be acquired by each student obtaining ECTS credits, along with an indication of the course- specific and possibly specialty learning outcomes (codes of effects to which the course was assigned in the competency matrix included in the study programme)	<p>Knowledge Student:</p> <ul style="list-style-type: none"> - knows the origins of the key economic theories and concepts, - knows the relationship between economic ideas and ethics, psychology and law, - lists economic schools and the most influential economists from the 18th to the 20th century, - knows the main theories of value, distribution, growth and economic development. <p>(06E-2A_W01, 06E-2A_W03, 06E-2A_W04)</p> <p>Skills Student:</p> <ul style="list-style-type: none"> - understands the contribution of the different schools of economic thought and their importance from the perspective of today's economic problems, - critically analyzes sources of people's ideas and beliefs on economic issues, - critically examines the arguments of supporters of state intervention and economic liberalism. <p>(06E-2A_U01, 06E-2A-U02, 06E-2A_U04, 06E-2A_U06)</p> <p>Social competencies Student:</p> <ul style="list-style-type: none"> - is aware of the diversity of methodological and ideological approaches in economics, - shows the propensity to interpret the current problems and dilemmas of economic life through the lens of economic theories, - presents the attitude of openness and tolerance towards different ideas and beliefs on economic issues. <p>(06E-2A_K01, 06E-2A_K02, 06E-2A_K03)</p>

1.	Course title	Development Economics
2.	Number of hours per course/ type of class	Lecture: 14 hours Practice class: 14 hours
3.	Assessment form	Lecture: exam. Practice class: graded credit
4.	Form of conducting classes)	Stationary
5.	Language of instruction	English
6.	ECTS credits	4
7.	Shortened (general) course description	The aim of the course is to familiarize students with the main issues of economic development in developing countries. This course will also cover the most important theories explaining economic development and growth (or the lack of them).
8.	Prerequisites, defining the knowledge and skills that a student must have when enrolling in the course	Basic knowledge of micro- and macroeconomics.
9.	The course learning outcomes defining the knowledge, skills and/or competences to be acquired by each student obtaining ECTS credits, along with an indication of the course- specific and possibly specialty learning outcomes (codes of effects to which the course was assigned in the competency matrix included in the study programme)	<p>Knowledge Student:</p> <ul style="list-style-type: none"> – defines the main concepts related to development economics (06E-2A_W01), – has formalized, in-depth knowledge of market functioning in developing countries (06E-2A_W05), – has knowledge of the importance of natural resources and institutional factors for the economic development (06E-2A_W06). <p>Skills Student:</p> <ul style="list-style-type: none"> – identifies factors of economic underdevelopment and problems of developing countries (06E-2A_U01), – analyzes development policies of selected countries (06E-2A_U02), – can justify their opinion on the development policy of a given country (06E-2A_U04). <p>Social competencies Student:</p> <ul style="list-style-type: none"> – is able to independently and consistently supplement knowledge and improve his/her own skills in the area of developing countries (06E-2A_K01), – is aware of the limitations of economic theory in explaining economic development in developing countries (06E-2A_K02), – is aware of how difficult the situation of people living in underdeveloped countries is and is able to formulate his/her own conclusions on this subject (06E-2A_K03), – is sensitive to the problems of less developed countries (06E-2A_K06).

1.	Course title	Capital Market
2.	Number of hours per course/ type of class	Lecture: 14 hours Practice class: 14 hours
3.	Assessment form	Lecture: Exam Practice class: Graded credit
4.	Form of conducting classes	Stationary
5.	Language of instruction	English
6.	ECTS credits	4
7.	Shortened (general) course description	The objective of this course is to provide a rigorous introduction to capital market, i.e.: - the institutional setting of the markets for capital assets, - a wide variety of financial securities found in equity, fixed-income and derivatives' markets, - principles of the risk and return analysis and basis for other investment analysis methods. In practice class the accent is on applying theoretical knowledge concerning the capital market.
8.	Prerequisites, defining the knowledge and skills that a student must have when enrolling in the course	Basic knowledge in economics.
9.	The course learning outcomes defining the knowledge, skills and/or competences to be acquired by each student obtaining ECTS credits, along with an indication of the course-specific and possibly specialty learning outcomes (codes of effects to which the course was assigned in the competency matrix included in the study programme)	<p>Knowledge Student: - knows terminology used in the field of capital market and understands its application (06E-2A_W01), - has an in-depth knowledge about the behavior of main parties (in particular investors) participated in the capital market and methods used for the security selections and portfolio management (06E-2A_W05).</p> <p>Skills Student: - can use in-depth, theoretical knowledge in the field of capital market in order to formulate practical conclusions useful for decision-makers (06E-2A_U02), - is able to prepare analyzes which facilitate making correct decisions concerning capital market in conditions of uncertainty and risk (06E-2A_U05).</p> <p>Social competencies Student: - understands the need for continuous professional training and personal development (06E-2A_K01), - is aware of the advantages and limitations of the theories and research methods learned (06E-2A_K02), - is able to engage in discussions and formulate in their course their own position (06E-2A_K03), - is responsibly preparing for his/her work (06E-2A_K07).</p>

1.	Course title	Economic Mathematics
2.	Number of hours per course/ type of class	Lecture: 14 hours Practical class: 14 hours
3.	Assessment form	Lecture: Graded credit Practice class: Graded credit
4.	Form of conducting classes	Stationary
5.	Language of instruction	English
6.	ECTS credits	4
7.	Shortened (general) course description	The aim of the Economic Mathematics course is to familiarize students with the main mathematical tools used in economics. The course uses the theory of microeconomics to present the application of differential and optimization calculus in economics.
8.	Prerequisites, defining the knowledge and skills that a student must have when enrolling in the course	The student should know the basic information in the field of mathematics and microeconomics, including the basics of mathematical analysis and the consumer and firm theories.
9.	The course learning outcomes defining the knowledge, skills and/or competences to be acquired by each student obtaining ECTS credits, along with an indication of the course- specific and possibly specialty learning outcomes (codes of effects to which the course was assigned in the competency matrix included in the study programme)	<p>Knowledge Student:</p> <ul style="list-style-type: none"> - knows derivatives and differentials and their application in economic theory (06E-2A_W08), - knows optimization tools and their application in economic theory (06E-2A_W08), - knows mathematical notation used in economic analyses (06E-2A_W08). <p>Skills Student:</p> <ul style="list-style-type: none"> - is able to use appropriate mathematical tools to analyze and interpret the relationship between economic variables (06E-2A_U01), - is able to use mathematical tools to analyze and predict the effects of economic decisions (06E-2A_U03), - is able to use mathematical tools in the preparation of reports and analyzes which facilitate making correct economic decisions in conditions of uncertainty and risk (06E-2A_U05). <p>Social competencies Student:</p> <ul style="list-style-type: none"> - is aware of the level of his/her knowledge and skills in the field of mathematics, he can complete and improve the acquired knowledge and skills (06E-2A_K01), - can refer to mathematical tools and their application in economics in discussions (06E-2A_K03), - takes care of the reliability of analyzes and calculations as well as the precision of the arguments (06E-2A_K04).

1.	Course title	Contemporary Economics - key issues
2.	Number of hours per course/ type of class	Practice class: 14 hours
3.	Assessment form	Graded credit
4.	Form of conducting classes	Stationary
5.	Language of instruction	English
6.	ECTS credits	2
7.	Shortened (general) course description	The purpose of the course is to familiarize with the basics of modern microeconomics and macroeconomics. The material carried out during classes includes a detailed overview of common currency areas and European monetary integration, economic and financial crises - their causes and consequences. The aim of the course is to acquaint students with information on the relationship between foreign trade and economic growth and the role of globalization in the modern economy.
8.	Prerequisites, defining the knowledge and skills that a student must have when enrolling in the course	The student should have the knowledge on the basics of microeconomic and macroeconomics, including in particular concepts and macroeconomic theory.
9.	The course learning outcomes defining the knowledge, skills and/or competences to be acquired by each student obtaining ECTS credits, along with an indication of the course- specific and possibly specialty learning outcomes (codes of effects to which the course was assigned in the competency matrix included in the study programme)	<p>Knowledge Student:</p> <ul style="list-style-type: none"> - has an in-depth knowledge of the subject of economics and the place of economics in the field of social sciences, - has a broad knowledge of the importance of institutional factors for the shaping of economic processes, - has an in-depth knowledge enabling assessment of economic phenomena in the national, international perspective, understanding the effectiveness of macroeconomic policy. <p>(06E-1A_W01, 06E-2A_W07)</p> <p>Skills Student has the ability to:</p> <ul style="list-style-type: none"> - make observations of economic phenomena, interpret the relationships between the factors that cause them, using the right analytical tools, - to independently collect, select and process information, and can identify gaps in their knowledge and independently supplement them, as well as relate their knowledge to their own business decisions, including assessment of risks and potential obstacles. <p>(06E-2A_U01, 06E-2A_U06)</p> <p>Social competencies Student:</p> <ul style="list-style-type: none"> - is aware of the level of their knowledge, makes self-assessment of their own competences, can complement and improve acquired knowledge and skills, understands the need for continuous professional training and personal development, consciously shaping his or her own professional career, - is able to engage in discussions and formulate in their course their own position, but is able to point out arguments to support their opinion, but remains open to arguments in favor of other views, <p>(06E-2A_K01, 06E-2A_K03)</p>

1.	Course title	Advanced Macroeconomics
2.	Number of hours per course/ type of class	Lecture: 28 hours Practical class: 28 hours Computer lab: 14 hours
3.	Assessment form	Lecture: Exam Practice class: Graded credit Computer lab: Graded credit
4.	Form of conducting classes	Stationary
5.	Language of instruction	English
6.	ECTS credits	11
7.	Shortened (general) course description	The aim of this course is to discuss economic policy effects both in the short-run and beyond it. The course employs the combined IS-LM and AS-AD frameworks to illustrate the complexity of macroeconomic policy outcomes. We start from the short-run, move through the medium-run, towards the long-run, where some more advanced features of the mechanics of economic growth are discussed.
8.	Prerequisites, defining the knowledge and skills that a student must have when enrolling in the course	A student should have taken Macroeconomics 1 and Macroeconomics 2. He/she should be familiar with basic concepts and theories of macroeconomics, including the benchmark short-run (Keynesian) and long-run (neoclassical) models.
9.	The course learning outcomes defining the knowledge, skills and/or competences to be acquired by each student obtaining ECTS credits, along with an indication of the course-specific and possibly specialty learning outcomes (codes of effects to which the course was assigned in the competency matrix included in the study programme)	<p>Knowledge Student:</p> <ul style="list-style-type: none"> - knows terminology used in economics and understands its sources and applications within social sciences, at the extended level (06E-2A_W01), - has a structured and in-depth knowledge of the history of the development of market institutions and understands the context of their formation and evolution, in relation to the development of macroeconomic theory (06E-2A_W03), - has comprehensive knowledge of business and consumer behaviour in terms of various types of their economic decisions, as well as an understanding of the interaction between market agents, as well as on the role of macroeconomic policy in shaping those decisions and interactions (06E-2A_W05). <p>Skills Student:</p> <ul style="list-style-type: none"> - is able to make observations and interpret economic, social and financial phenomena as well as analyse their impact and interdependencies between them (06E-2A_U01), - is able to use theoretical models in the area of economics and other related disciplines to propose practical conclusions, useful for policymakers, as well as for analysing and interpreting various economic processes; furthermore, is able to critically select analysis methods (06E-2A_U02), - can make precise statements on selected economic mechanisms triggered by macroeconomic policy, using a spectrum of economic models (06E-2A_U04). <p>Social competences Student:</p> <ul style="list-style-type: none"> - is aware of the level of his/her knowledge, assesses his/her own competences, is able to complete and improve the acquired knowledge and skills, understands the need for constant professional training and personal development, consciously shapes his/her professional career (06E-2A_K01), - is able to engage in discussion and formulate and defend his/her own point of view, while being able to put forward arguments to support his/her opinion, and yet remain open to arguments in favour of other views, especially those backed by alternative theories (06E-2A_K03).

1.	Course title	Institutions in Economy
2.	Number of hours per course/ type of class	Lecture: 14 hours Practice class: 14 hours
3.	Assessment form	Graded credit Graded credit
4.	Form of conducting classes	Stationary
5.	Language of instruction	English
6.	ECTS credits	4
7.	Shortened (general) course description	The course presents the institutional approach to economic analysis covering the main contributions by both the old and the new institutional economics. The course aims at supplementing the orthodox (neoclassical) approach to economic analysis.
8.	Prerequisites, defining the knowledge and skills that a student must have when enrolling in the course	Basic knowledge of economics and economic history.
9.	The course learning outcomes defining the knowledge, skills and/or competences to be acquired by each student obtaining ECTS credits, along with an indication of the course- specific and possibly specialty learning outcomes (codes of effects to which the course was assigned in the competency matrix included in the study programme)	<p>Knowledge Student:</p> <ul style="list-style-type: none"> - knows key notions employed to describe institutions in the economy (06E-2A_W01); - has an in-depth knowledge of the institutional approach (institutionalism) in social sciences (06E-2A_W02); - knows the history of the development of market institutions and understands their origin and evolution (06E-2A_W03); - has knowledge on institutional factors' significance for economic processes (06E-2A_W06). <p>Skills Student:</p> <ul style="list-style-type: none"> - is able to investigate institutional factors in economic performance (06E-2A_U01); - is able to gather information on institutional factors and evaluate their significance (06E-2A_U06). <p>Social competences Student:</p> <ul style="list-style-type: none"> - is aware of the complexity of economic reality and the necessity to broaden his/her knowledge on economic life (06E-2A_K01); - is aware of the limitation of economic models created to explain economic issues (06E-2A_K02); - is able to present arguments on the role of institutions in the economy (06E-2A_K03).

1.	Course title	International Economics
2.	Number of hours per course/ type of class	Lecture: 28 hours Practice class: 28 hours
3.	Assessment form	Written exam Graded credit
4.	Form of conducting classes	Stationary
5.	Language of instruction	English
6.	ECTS credits	8
7.	Shortened (general) course description	The aim of the International Economics course is to provide students with in-depth knowledge of the directions of development of the contemporary world economy and the role of global institutions in setting the desired directions of economic and social policy for developed market economies, developing countries and countries in transition. This applies to the global institutions of the United Nations, the WTO and the global financial institutions - the IMF and the World Bank Group. Topics related to international trade, cross-border flow of foreign direct investment and the directions of major economic policies at the global and European level will also be discussed. The student will have knowledge of the instruments of two leading global and European policies, i.e. the circular economy and the digital economy. Part of the lecture will cover the importance of the European Union as one of the 3 major players in the global economy (alongside China and the US) and its role in the international trade in goods and services.
8.	Prerequisites, defining the knowledge and skills that a student must have when enrolling in the course	The student should have the knowledge of the macroeconomics of an open economy, with special reference to the role of the financial and capital market instruments in the open economy.
9.	The course learning outcomes defining the knowledge, skills and/or competences to be acquired by each student obtaining ECTS credits, along with an indication of the course-specific and possibly specialty learning outcomes (codes of effects to which the course was assigned in the competency matrix included in the study programme)	<p>Knowledge Student:</p> <ul style="list-style-type: none"> - develops knowledge on international economics, with special reference to: knows the role of the global market institutions in international economics especially WTO, UN Bodies, IMF, World Bank Groups. - understands the context of their formation and evolution in the contemporary world, - understands the changes and the transformation of the modern world economy into the main directions of sustainable development related to the circular and the digital economy, - understands the interdependence between international economic flows and sustainable development, - knows the concept of the international competitiveness and the position of countries and companies as well as its determinants and measures, with the special reference to the importance of the innovation, - has an in-depth knowledge enabling assessment of economic phenomena in the national, international and intercultural perspective. (06E-2A_W01, 06E-2A_W03, 06E-2A_W04, 06E-2A_W07) <p>Skills Student:</p> <ul style="list-style-type: none"> - is able to make observation of economic phenomena and interpret tendencies and changes in the modern international economics, - is able to use an in-depth theoretical knowledge in the field of international economics in order to formulate practical conclusions and recommendations for decision-makers, and interpret various economic problems, - is able to find instruments related to the new directions in the modern world: the circular and digital economies, - is able to accurately and consistently express himself/herself in speech and writing on topics concerning various international economics related issues and lying on the broader line of various scientific disciplines. (06E-2A_U01, 06E-2A_U02, 06E-2A_U04, 06E-2A_U06) <p>Social competencies Student:</p> <ul style="list-style-type: none"> - is able to prepare internationally oriented economic analysis, - is creatively looking for solutions to the problems at the international level, - is open to new scientific and methodological concepts, - is able to engage in discussions and formulate the own opinion, but is able to point out arguments to support his/her opinion, but remains open to arguments in favor of other views. (06E-2A_K01, 06E-2A_K02, 06E-2A_K03, 06E-2A_K04)

1.	Course title	Economic Law
2.	Number of hours per course/ type of class	Lecture: 28 hours
3.	Assessment form	Graded credit
4.	Form of conducting classes	Stationary
5.	Language of instruction	English
6.	ECTS credits	4
7.	Shortened (general) course description	The aim of the course is to familiarize students with the basics of commercial law.
8.	Prerequisites, defining the knowledge and skills that a student must have when enrolling in the course	Fundamentals of law.
9.	The course learning outcomes defining the knowledge, skills and/or competences to be acquired by each student obtaining ECTS credits, along with an indication of the course- specific and possibly specialty learning outcomes (codes of effects to which the course was assigned in the competency matrix included in the study programme)	<p>Knowledge Student: - should be able to make the fundamental characteristics of the commitment agreements in their relationship to the general part of contract law, - defines the main concepts and institutions of commercial law. (06E-2A_W02, 06E-2A_W09).</p> <p>Skills Student: - is able to use acts of commercial law, analyze these acts and conclude on this basis, - is able to use the main concepts and institutions of commercial law. (06E-2A_U02, 06E-2A_U04, 06E-2A_U07).</p> <p>Social competences Student: - will present an active and critical attitude and capacity for further independent analysis of acts of commercial law. (06E-2A_K01, 06E-2A_K03, 06E-2A_K06).</p>

1.	Course title	Econometrics and forecasting
2.	Number of hours per course/ type of class	Lecture: 14 hours Computer lab: 14 hours
3.	Assessment form	Lecture – exam Computer lab – graded credit
4.	Form of conducting classes	Stationary
5.	Language of instruction	English
6.	ECTS credits	4
7.	Shortened (general) course description	The aim of this course is to introduce students to econometric analysis: building and evaluating models, formally assess the relationships between economic variables, forecast economic series, and evaluate the forecasts ex post and ex ante.
8.	Prerequisites, defining the knowledge and skills that a student must have when enrolling in the course	Statistics, Introductory Macroeconomics, Linear Algebra.
9.	The course learning outcomes defining the knowledge, skills and/or competences to be acquired by each student obtaining ECTS credits, along with an indication of the course- specific and possibly specialty learning outcomes (codes of effects to which the course was assigned in the competency matrix included in the study programme)	<p>Knowledge Student:</p> <ul style="list-style-type: none"> - knows simple and multiple linear regression models, - knows model specification, - knows univariate and multivariate time series models, - knows main forecasting tools, - knows ex post and ex ante forecast evaluation. <p>(06E-2A_W07, 06E-2A_W08)</p> <p>Skills Student:</p> <ul style="list-style-type: none"> - is able to build econometric models, - is able to deliver an economic interpretation of the results, - is able to choose a suitable model to describe the data, - is able to build forecasts of economic series, - is able to calculate forecast errors. <p>(06E-2A_U01, 06E-2A_U02, 06E-2A_U03, 06E-2A_U05, 06E-2A_U06)</p> <p>Social competences Student:</p> <ul style="list-style-type: none"> - knows critically assess his/her intuition about economic processes, - knows use quantitative analysis to support his/her argumentation, - knows properly use statistical data. <p>(06E-2A_K01, 06E-2A_K02, 06E-2A_K03, 06E-2A_K04, 06E-2A_K07)</p>

1.	Course title	Philosophy
2.	Number of hours per course/ type of class	Lecture: 14 hours
3.	Assessment form	Graded credit
4.	Form of conducting classes	Stationary
5.	Language of instruction	English
6.	ECTS credits	2
7.	Shortened (general) course description	The aim of the course is to provide knowledge about the main philosophical problems and positions in the field of philosophical anthropology, social philosophy, and ethics, and to develop skills and competences in argumentation based on the terminology and theoretical achievements of philosophy.
8.	Prerequisites, defining the knowledge and skills that a student must have when enrolling in the course	The student's general understanding of the field of humanities acquired in the course of secondary school teaching.
9.	The course learning outcomes defining the knowledge, skills and/or competences to be acquired by each student obtaining ECTS credits, along with an indication of the course-specific and possibly specialty learning outcomes (codes of effects to which the course was assigned in the competency matrix included in the study programme)	<p>Knowledge Student: After completing the second-cycle studies in Economics, the graduate has a broad knowledge of other social sciences: sociology and psychology, law and philosophy, management and their relationship to economics. (06E-2A_W02)</p> <p>Skills Student: After completing the second-cycle studies in Economics, the graduate can use both basic and extended theoretical knowledge in the field of economics and related disciplines in order to formulate practical conclusions useful for decision-makers, as well as to analyze and interpret various economic problems; in addition, can critically choose methods of analysis. (06E-2A_U02)</p> <p>After completing the second-cycle studies in Economics, the graduate can accurately and consistently express himself/herself in speech and writing on topics concerning various economic issues and lying on the borderline of various scientific disciplines; in addition, is able to present the substantive justification of the opinions presented. (06E-2A_U04)</p> <p>Social competencies Student: After completing the second-cycle studies in Economics, the graduate is aware of the level of their knowledge, makes self-assessment of their own competences, can complement and improve acquired knowledge and skills, understands the need for continuous professional training and personal development, consciously shaping his or her own professional career. (06E-2A_K01)</p> <p>After completing the second-cycle studies in Economics, the graduate is able to engage in discussions and formulate in their course their own position, but is able to point out arguments to support their opinion, but remains open to arguments in favor of other views. (06E-2A_K03)</p> <p>After completing the second-cycle studies in Economics, the graduate follows the rules of professional ethics, respecting copyright, correctly identifies and resolves moral dilemmas related to the profession, is convinced of the importance of acting in a professional manner, is sensitive to social, economic and ecological problems. (06E-2A_K06)</p>